

Search Databases with FASTA | Find Duplications | Hydropathy/Secondary Structure

```
# /seqprg/bin/fasta34_t -q -w 80 -m 6 -z 3 -Z 10000 -f -12 -g -4 -r +5/-4 @ /tmp/FA_
FASTA searches a protein or DNA sequence data bank
version 3.4t26 July 7, 2006
Please cite:
W.R. Pearson & D.J. Lipman PNAS (1988) 85:2444-2448
```

Query library @ vs /tmp/FA_WWW_Y37ndo library searching /tmp/FA_WWW_Y37ndo library

```
1>>>QUERY 1254 nt - 1254 nt
vs  /tmp/FA_WWW_Y37ndo library

 4426 residues in      1 sequences
Altschul/Gish params: n0: 1254 Lambda: 0.192 K: 0.177 H: 0.360

FASTA (3.49 May 2006) function [optimized, +5/-4 matrix (5:-4)]
join: 60, opt: 45, open/ext: -12/-4, width: 16
Score: 0.010
```

The best scores are:
QUERY (4426) [f] 4546 1
QUERY (4426) [r] 223 6

>>>QUERY, 1254 nt vs /tmp/FA_WWW_Y37ndo library

>>QUERY (4426
rev-comp initn: 140 initl: 60 opt: 223 Z-score: 272.1 bits: 64.3 E(): 2.4e-13
banded Smith-Waterman score: 261; 54.659% identity (54.659% similar) in 558 nt over
Entrez Lookup Re-search database General re-search
1240 1230 1220 1210 1200 1190 1180
QUERY- TCACGGCTGGCGGTCCCCGGGGTCGGGCGCAGGGCAGGGCGTGGCGCGGCCGC--CGTCG-GGCGTGCA
: : : : : : : : : : : : : : : : : : :
QUERY CCAGCAGCTGCCAGGGAACGCCACGGACTGGATCTGGGCCGCTCGACCCGGACACGGACTACGACGTGGCGCTAG
840 850 860 870 880 890 900 9
1170 1160 1150 1140 1130 1120 1110 1100
QUERY- CTTGGCGGACAGCGCG-CTCTCGCGGCCGAGCGGAAGCGGGCCTCACGGTCACCAGGTAGGCGGTGCCCGGCCG-
:
QUERY CTGAGTCCAACGTGCGCCTCTGAGGCCAGATCCTGCGGGTGCACGCGGCCGGTGAGGCAGGGCCGGGGCT
920 930 940 950 960 970 980 9
1090 1080 1070 1060 1050 1040 1030 1020
QUERY- GGCCCTGCAGCGTGGTGCAGTTGCGGCCGCGGGCACCTCCACCCGCTGCGCCTCCCCGCCCGCAGCGGCCCGAAC
:
QUERY GGC-C-GGAGTCGGGGCTGGGCCGGCCCCACGCAGCT----CGCCGC-CCTCCCCGCCAGAGGGAGGCCGGGC
1000 1010 1020 1030 1040 1050 1060
1010 1000 990 980 970 960 950 940
QUERY- ACGTGGTAGCCGAGCGCCGCGCTGAGCCA-GCGCTGGGCCAACTCACGCGGAGGCTGCGCGGCCGGCGTGGG
:
QUERY ----CAGAGCGCATCGTCATCTCCCACGCCGGCGCAGCCTCCCGTGAGTTGGCCCCAGCGC-TGGG
1070 1080 1090 1100 1110 1120 11 11
930 920 910 900 890 880 870 86
QUERY- TGACGATGCGCT---CTGGCCCGGCCTCCTCTGGCCGCGTGCACCCGAGGATCTGGGCCCTCAGGAGGCGCACG
:
QUERY AGCCGCGCGCTCGGCTACCACGTGCAAGTTGGGCCGC-TGCGGGCGG--GGAGGCGCAGCGGGTGGAGGTGCCCG
1140 1150 1160 1170 1180 1190 1200

850	840	830	820	810	800	790
QUERY- GACTCAGGCACTAGGCCACGTCGTAGTCCGTGTC-CGGGTCGAGGCCGGCC--CAGATCCAGTCCGTGGCGTTCC-						
: : : :: : : : :: :						
QUERY GCCGCA---ACT-GCACCA CGCTGCAGGGCCTGGCGCCGGCACC GCCTACCTGGTGACCGTGACCGCCGCCTTCCG						
1210	1220	1230	1240	1250	1260	1270
780	770	760	750	740	730	720
QUERY- TGGCAGCTGCTGGCGTCTTGCAGCCCCGGCTGGCGCTGG-----GCACCA GCTCCAGCACATAGTAGCCCGAG						
: :						
QUERY GGGCCCGCGAGAGCGCGCTGTCCGCCAAGGCCTGCACGCCGACGGCCCGGCCACGCCCGTGCCCCGCG						
1290	1300	1310	1320	1330	1340	1350
710	700	690	680	670	660	650
QUERY- GCGGT CAGCAGGGGTGGCCAG--GCCAGGCGGAAGCCGCTGGACGTGATCTCGTGGCATGGAGCTGCTGC GGCCGC						
: : : : : : : : : : : : : : : : : : : :						
QUERY -CCGACCCC GGGGACCGCCAGCGTAAGCCGGCTCCCCGCCAGCCGAGAGGGCCGGCGCCTACCTGAG						
1370	1380	1390	1400	1410	1420	1430
1360						

1254 residues in 1 query sequences

4426 residues in 1 library sequences

Tcomplib [34t26] (2 proc)

start: Thu Sep 28 10:02:00 2006 done: Thu Sep 28 10:02:00 2006

Total Scan time: 0.010 Total Display time: 0.010

Function used was FASTA [version 3.4t26 July 7, 2006]

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